

Automating Malware Analysis for Proactive Detection

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Why Do We Analyze Malware?

Props for Viper

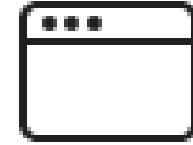
- Claudio Guarnieri (@botherder)
- Alexander Jaeger (@alexanderjaeger)
- Kevin Breen (@kevthehermit)
- Raphael Vinot (@raphi0t)
- 24 other really awesome people!

Viper Overview

- Repository and framework for static file analysis
- Python, SQLite
- Interfaces:
 - Command Line
 - Web
 - API
- Open module template

presentation

web UI

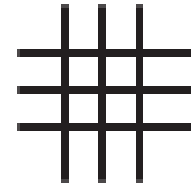


CLI

software



api



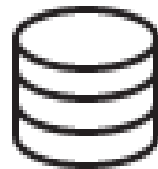
framework



modules

infrastructure

database



file structure

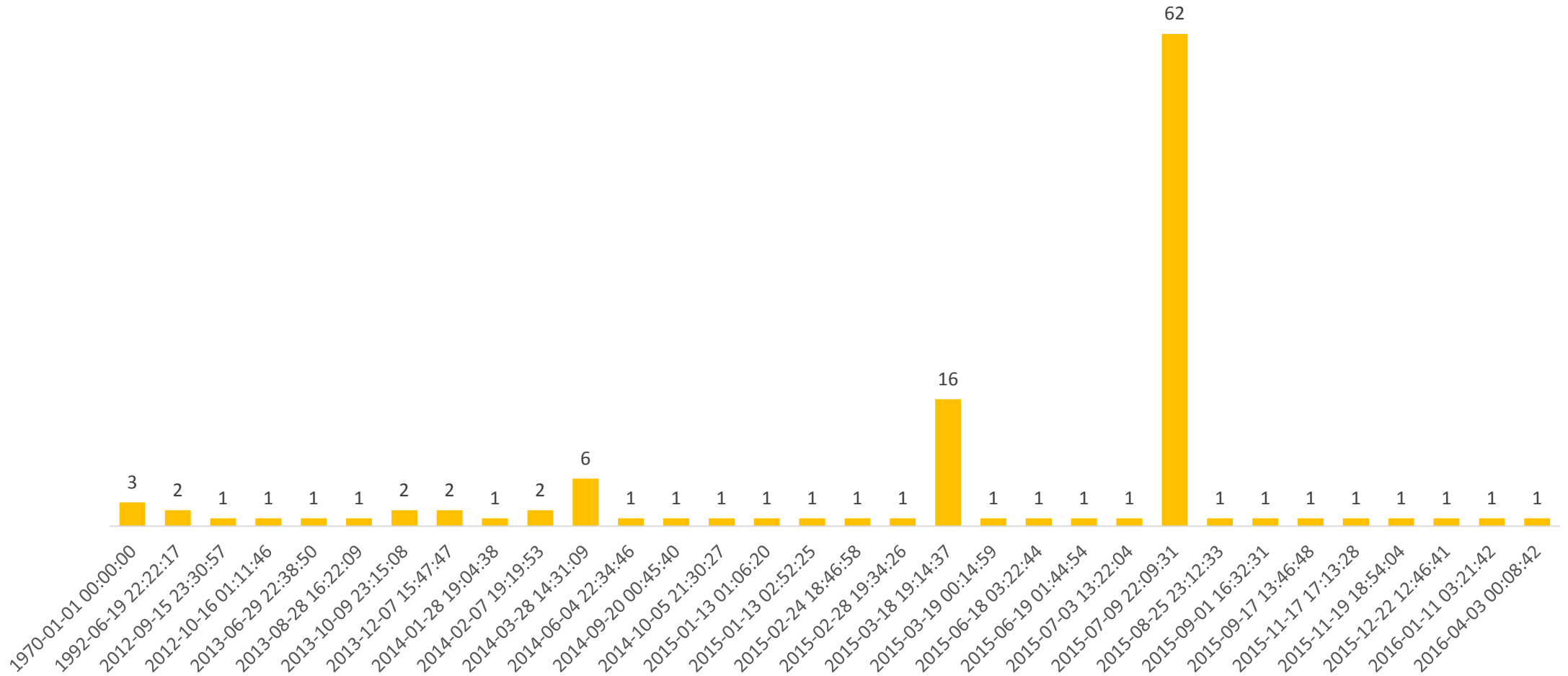
“The Zoo” Use Case

- Historical Evidence
- Threat/Attacker Intelligence
- Analysis & Data Mining

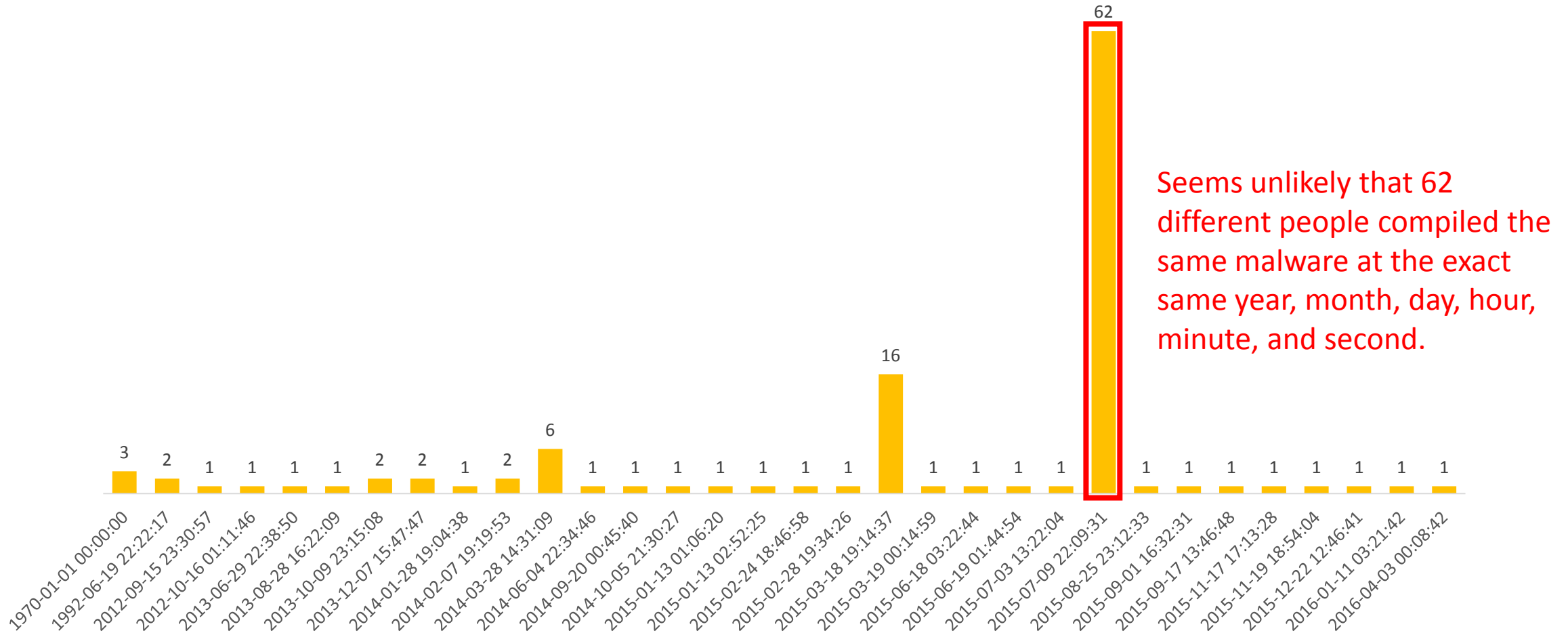


Time for some live demos!

PE Compiletime Groupings



PE Compiletime Groupings



More Live Demos!



Let's Talk!

<https://github.com/pmelson>